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|  |  |   | First Named Inventor                   |  | Harlan Edgar Shannon |                            | 重          |  |
|  |  |   | Original Patent Number                 |  | 5,945,416            |                            | ₹.         |  |
|  |  |   | Original Patent Issue Date             |  | August 31, 1999      |                            | <b>=</b> 3 |  |
|  |  |   |  | Month/Day/Year)  | FI 022052027 LIC     |                            | 毒:         |  |
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| 3. Dra   | wing(s) (proposed amendm                         | ents. if  | l                                      |  |                      |                            | - 1        |  |
| appropriate)   |  | 10. English Translation of Reissue Oath/Declaration |  |  |                      |                            |            |  |
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|  | fer to Surrender Original Pat                    |   | 12. X Preliminary Amendment            |  |                      |                            |            |  |
|  | 178) (PTO/SB/53 or PTO/SB                        | /54)  | 1,2                                    | 13. X Return Receipt Postcard (MPEP 503)                                   |                      |                            |            |  |
| or   | Ribboned Original Patent                         | Grant   | 1 '3                                   | 13. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) |                      |                            |            |  |
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|  | CESSON MANNA                                     | 15. CORRE   | SPON                                   | IDENCE ADDRESS   |                      |                            | $\dashv$   |  |
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|  |  | Stuffiel IVO. O                                     | Miller                                 | un vai sous lavdi nere)  |                      | 400,000 111011             | -          |  |
| Name<br>Address  | Nelsen L. Lentz                                  |   |  |  |                      |                            | $\neg$     |  |
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| NAME (Print/Type) | Nelsen L. Lentz | Registration No. (Attorney | /Agent) | 38,537 |
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| Signature         | July 1.9-       | Date                       | augi    | 42001  |
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[11] Patent Number:

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## United States Patent [19]

[51] Int. Cl.<sup>6</sup> A61K 31/55 [52] U.S. Cl. 514/220

| Sha    | nnon et al.  | [45] Date of Patent: Aug. 31, 1999  |  |  |  |  |
|--------|--|---|--|--|--|--|
| [54]   | METHOD FOR TREATING PAIN   | [58] Field of Search 514/220  |  |  |  |  |
| [75]   | Inventors: Harlan E. Shannon, Carmel, Ind.;<br>Daniel E. Womer, Thornton, Colo.  | [56] References Cited   |  |  |  |  |
|        |  | U.S. PATENT DOCUMENTS   |  |  |  |  |
| [73] A | Assignee: Eli Lilly and Company, Indianapolis,<br>Ind.   | 5,229,382 7/1993 Chakrabarti et al  |  |  |  |  |
| [21]   | Appl. No.: 98/823,461  | Primary Examiner—Theodore J. Criares Attorney, Agent, or Firm—Arleen Palmberg; Macharri Vorndram-Jones  |  |  |  |  |
| [22]   | Filed: Mar. 24, 1997   |   |  |  |  |  |
|        | Related U.S. Application Data  | [57] ABSTRACT   |  |  |  |  |
| [60]   | Provisional application No. 60/014,130, Mar. 25, 1996, provisional application No. 60/014,132, Mar. 25, 1996, provisional application No. 60/014,128, Mar. 25, 1996, and provisional application No. 60/0114,129, Mar. 25, 1996. | The present invention provides a method for treating pain<br>using a composition comprising olanzapine and Drug Useful<br>in the Treatment of Pain. |  |  |  |  |

44 Claims, No Drawings

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PTO/SB/17 (12/97)OMB 0651-0032

Approved for use through 09/30/00. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE PACENT and Trademark Office. U.S. Destruction of 1995, no persons are required to respond to a collection of information unless it displays a valid OMS control number. Complete if Known Application Number \_ Filing Date FEE TRANSMITTAL First Named Inventor Harlan Edgar Shannon Ø Group Art Unit Note: Effective November 10, 1997. Ment fees are subject to annual revision. Evaminer Name Attorney Docket Number X-10576A AMOUNT OF PAYMENT (\$)2,228 FEE CALCULATION (continued) METHOD OF PAYMENT (check one) ADDITIONAL FERS The Commissioner is hereby authorized to charge indicated fees and credit any Entity Sma1 Entity Larg Fee Ree Description Paid overpayments to: Fee (8) Fee (8) Code Code 130 65 Surcharge-late filing fee or 105 205 Deposit 05-0840 Surcharge-late provisional filing fee or cover sheet. 50 227 Deposit 127 Eli Lilly and Company Non-English specification Charge the Issue Fee Set in 37 CFR 1.18 at the 130 139 130 Charge Any Additional Fee Х Required Under 37 CFR 1.16 and 1.17 iling of the Notice of allowance For filing a request for reexamination Payment Enclosed 147 2 520 147 2.520 920\* Requesting publication of SIR prior to Examiner action Check Other 112 920\* 112 Requesting publication of SIR after Examiner action 113 1,840\* 113 1.840\* Extension for reply within first 115 110 215 55 FEE CALCULATION month Extension for reply within 390 216 195 116 5 second month 117 800 217 445 Extension for reply within third 43 FILING FEE Kntity Qeal1 Entity 118 1,390 218 695 Extension for reply within fourth month Lange Fee Copie 101 106 107 108 Fee (\$) Fee Fee (\$) Fee Description Paid Extension for reply within fifth 1,890 228 945 710 201 355 Utility filing fee 128 Notice of Appeal 119 310 219 155 160 Design filing fee Plant filing fee 220 206 Filing a brief in support of an appeal 120 210 220 155 207 245 490 135 Request for oral hearing 208 355 Reissue filing fee 121 270 221 P 138 1.510 138 1.510 Petition to institute a public 150 214 71 Provisional use proceeding filing fee Petition to revive-unavoidable 110 240 55 140 Petition to revive-unintentional SUBTOTAL (1) (\$)710.00 141 1,240 241 620 ħ. 605 Utility issue fee (or reissue) 1.210 242 142 Design Issue Fee Reissu Fee from 143 430 243 215 7132 OT A TMO below 18 Extra 244 Plant Issue Fee 144 580 -20\*\*= х 91 80 240 122 130 122 130 Petitions to the Commissioner Independent Claims -3\*\* х Petitions related to provisional Multiple Dependent Claims (first time) × 123 50 123 50 applications Submission of Information Disclosure Stmt. 126 240 126 240 Recording each patent assignm. per property (times number of Entity 581 40 Large Entity Small Pee Description 581 40 Pee Fee (8) properties)
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rejection (37 CFR 1.129(a)) Code (\$ 710 246 355 103 203 Claims in excess of 20 146 For each additional invention to be examined (37 CFR 1.129(b)) Request for Continued Examination (RCE) 29 nt claims in 149 710 355 102 9.0 202 excess of 3 104 270 204 135 Multiple dependent 179 710 270 355 claim Request for expedited examination of a design 900 Reissue independent claims over original 169 900 169 109 209 39 annlication Reissue claims in excess of 20 and over original patent 210 110 18 Other fee (specify) Other fee (\$)1518.00 \*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)0.00 SUBTOTAL (2) \*\*or number previously paid, if greater; For Reissues, see above Complete (if applicable) SUBMITTED BY 38 537 Reg. Number Typed or NELSEN L. LENTZ Printed Name \*Express Mail mailing labs, number 2 EL 832952027 US
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